

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)ATTY DOCKET NO.  
35.G2025 Div.IDiv. of Appln. No.  
08/943,019

APPLICANT

TAKASHI OKAMOTO ET AL.

FILING DATE

Not Yet Assigned

GROUP

1631  
Not Yet AssignedJ1D36 U.S. PTO  
09/931048

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM		5670315	9/23/97	Yamamoto et al.	435	6	
		5624798	4/29/97	Yamamoto et al.	435	6	
		4794073	12/27/98	Datagupta et al.	435	6	
		5340716	8/23/94	Ullman et al.	435	6	
		5278043	1/11/94	Banworth	536	231	
		3786369	1/1974	Drexhage et al.	313	945	
		4555396	11/1985	Frank et al.	424	3	
		4341894	7/1982	Regan et al.	544	333	
		5229297	7/1993	Schnipelsky et al.	436	94	
		4840784	6/1989	Frank et al.	424	3	
		5047419	9/10/91	M.R. Detty et al.	514	432	
		4774250	9/27/88	L.B. Chen et al.	514	336	
		4992257	2/12/91	R. Bonnett et al.	424	9	
		5162519	11/10/19	R. Bonnett et al.	540	145	
		5591578	1/07/97	Meade et al.	435	6	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
AM	WO	89-10415	11/1989	PCT			
	EP	0232967	8/1987	EPO			
	EP	0487218	5/1992	EPO			
	2-	75958	3/1980	Japan			Abstract
	2-	295496	12/1990	Japan			Abstract

EXAMINER

Adin Manoles

DATE CONSIDERED

8-22-03

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Sheet 1 of 5

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**TAKESHI OKAMOTO ET AL.**FILING DATE  
**Unassigned**GROUP **1631**  
~~Unassigned~~

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	5545521	8/96	Okamoto et al.	435	5	Abstract

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
AM	WO	93-15221	8/93	PCT		
	EP	0229943	7/87	EPO		
	59-	133460	7/84	Japan		Abstract
	EP	0315491	5/89	EPO		
	EP	0512334	11/92	EPO		
	EP	0643140	3/95	PCT		
	WO	86-06374	11/86	PCT		
	EP	0439036	7/91	Europe		Abstract
	WO	86-03227	6/86	PCT		
		0603783	6/94	EPO	G01N	33.52
		0294921	12/88	EPO	A61K	31/44
		0367449	5/90	EPO	C09B	23/02

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Balaban et al, "Pyrilium Salts Synthesis, Reactions and Physical Properties; Suppl. 2, Advances in Heterocyclic Chemistry, pp.173-219 (1977)
	Pirelahi et al., The Effect of Electron withdrawing Groups on the Stability of Thiabenzenes", J. Heterocyclic Chem., Vol. 14, pp. 199-201 (1977).
	Chem. Abstract, Vol. 126, No. 9, Abst. No. 115288n (XP-002057794), 1977.
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EXAMINER

Arden Marshall

DATE CONSIDERED

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		APPLICANT <b>TAKASHI OKAMOTO ET AL.</b>					
		FILING DATE <b>Not Yet Assigned</b>	GROUP <b>1631</b> <del>Not Yet Assigned</del>				
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
<b>AM</b>	64-	52715	2/89	Japan	A61K	31/44	Abstract
↓		1275528	2/89	Japan	A61K	31/40	Abstract
	1-	153683	6/89	Japan	C07D	309/34	Abstract
		0320308	6/89	EPO	C120	1/68	
		0455517	11/91	EPO	C120	1/68	
↓	5-	237000	9/93	Japan			Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
<b>AM</b>	1.	Shimidzu et al., "Synthesis ...properties", 19th Symp.on Nuc. Acids Chem, . pp. 97-98 (1992)					
↓	2.	Wizinger et al., Helv. Chim. Acta, Vol. 39, No. 2, Fas. I, pp. 5-15 (1956).					
	3.	Foerst, Newer Methods of Prep. Org. Chem., Vol. II, Acad. Press, pp. ix-xiv (1963)					
	4.	Brun et al., "Dynamics ....Bases", J. Am. Chem. Soc., vol. 114, pp. 3656-3660 (1992).					
	5.	Cardullo et al., "Detection ... transfer", Proc. Natl. Acad. Vol. 85, ppp. 8790-94 (1988).					
	6.	Rahman et al. "Complexes ... Cu (II)". Carcinogenesis, Vol. II, No. 11, pp, 2001-3 (1990).					
	7.	Balaban et al., "Charge-Transfer ...Iodides", Tetrahedron, Vol.0, pp. 119-130 (1963).					
	8.	Morrison et al., "Solution ... Hybridization", Anal. Biochem., Vol. 83, pp. 231-244 (1989).					
	9.	Basting et al. "New Laser Dyes", Appl. Phys., Vol. 3, pp. 81-88 (1974).					
	10.	Latt et al., "New ... Acids", Cytometry, Vol. 5, No. 4, pp. 339-347 (1984).					
	11.	Murphy t al., "Long-Range ... Helix", Science, Vol. 262, pp. 1025-1029 (1993).					
↓	12.	Smits et al., "Relationship ... Dimethylsulfoxide", Anal. Chem. Vol. 45, No. 2, pp. 339-342 (1973)					
EXAMINER <b>Adin Masale</b>		DATE CONSIDERED <b>8-22-03</b>					

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		APPLICANT <b>TAKASHI OKAMOTO ET AL.</b>	
		FILING DATE <b>Not Yet Assigned</b>	GROUP <b>1631</b> <del>Not Yet Assigned</del>
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)			
<b>AM</b>	13.	Fromherz et al., "Photoinduced ... methylviologen". JACS, Vol. 108, pp. 5361-62 (1986).	
	14.	Ulicky et al., Comp. Dict. Of Phys. Chem., p.03 (1992).	
	15.	Detty et al., "Chalcogenapyrylium ... Oxidase", J. Med. Chem., Vol. 33, pp. 1108-1116 (1990).	
	16.	Balaban et al., "Regioselectic ... Groups", J. Labelled Cmpds and Radiopharm., Vol. 19, No. 6, pp. 783-793 (1982).	
	17.	Detty, "Rational ... dyes", New Directions in Photodynamic Therapy, Vol. 847, pp. 68-73 (1987).	
	18.	Yamamoto et al. "Novel ... DNA," Nucleic Acids Sym. Series, No. 29, pp. 83-84 (1993).	
	19.	Sanford et al., "The Growth ... Cells", J. Natl. Cancer Inst., Vol. 9, No. 3, pp. 229-246 (1948).	
	20.	Haucke et al., "Absorption ...Salts", Ber. Bunsonques. Phy. Chem. Vol. 96, No. 7, pp. 880-886 (1992).	
	21.	W. Foerst, "New Methods of Preparative Organic Chemistry," Acad. Press (1964).	
	22.	W. Gregory Roberts et al., "In Vitro Characterization of Monoaspartyl Chlorin e <sub>6</sub> and Diaspartyl Chlorin e <sub>6</sub> for Photodynamic Therapy," J. of the Natl. Cancer Institute, May 4, 1988, Vol. 80, No. 5.	
	23.	M.J. Manyak et al., "Photodynamic Therapy," J. of Clinical Oncology, Vol. 6, No. 2, pp. 380-391 (2/1988).	
	24.	"PCR Protocols", ed. by Innis et al., Academic Press (1990).	
	25.	R. Wizinger et al., Helvetica Chimica Acta, Vol. 39, No. 24, pp. 217-222 (1956).	
	26.	Yamamoto et al., Nucl. Acids Res. 23(8), pp. 1445-1446 (1995).	
	27.	Picard et al., Appl. Environ, Microbiol. 58(9), pp. 2717-2722 (1992).	
	28.	Strobel et al., "Preparation and Characterization ... DNA Hybridization", Bioconjugate Chem., Vol. 2, pp. 89-95 (1991).	
	29.	Purugannan et al., "Accelerated Electron ... DNA", Science, Vol. 241, No. 23, pp. 1645-1649 (1988).	
	30.	Cullis et al., "Electron Conduction and Trapping in DNA", J. Chem. Soc. Paraday Trans., Vol. 86, No. 3, pp. 591-592 (1990).	
<b>V</b>	31.	Barton et al., "DNA-Mediated Photoelectron Transfer Reactions", J. Am. Chem. Soc., Vol. 108, pp. 6391-6393 (1986).	
EXAMINER <b>Andin Maresel</b>		DATE CONSIDERED <b>8-22-03</b>	

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